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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
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5 Inventorship

Tarokh, et al.

6 Applicant

Vivato

7 Attorney's Docket No.

MN1-004US

8 Title: Complementary Beamforming Methods and Apparatuses

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**DECLARATION FOR PATENT APPLICATION**  
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11 As a below named inventor, I hereby declare that:

12 My residence, post office address and citizenship are as stated below next to  
13 my name.

14 I believe I am the original, first and sole inventor (if only one name is listed  
15 below) or an original, first and joint inventor (if plural names are listed below) of the  
16 subject matter which is claimed and for which a patent is sought on the invention  
17 entitled "Antenna Assembly," the specification of which is attached hereto.

18 I have reviewed and understand the content of the above-identified  
19 specification, including the claims.

20 I acknowledge the duty to disclose information which is material to the  
21 examination of this application in accordance with Title 37, Code of Federal  
22 Regulations, § 1.56(a).

23 This application claims the benefit of a related U.S. Provisional Application  
24 Serial No. 60/423,703, filed November 4, 2002, entitled "Complementary  
25 Beamforming Techniques", to Tarokh, et al.

26 **PRIOR FOREIGN APPLICATIONS:** no applications for foreign patents or  
27 inventor's certificates have been filed prior to the date of execution of this  
28 declaration.

### Power of Attorney

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) associated with Customer No. 29150 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send correspondence to: Customer Number: 29150.

Direct telephone calls to: Thomas A. Jolly (303) 539-0265.

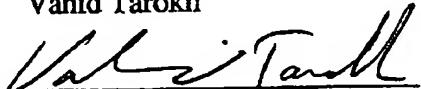
All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statement may jeopardize the validity of the application or any patent issued therefrom.

\* \* \* \* \*

Full name of inventor:

Vahid Tarokh

Inventor's Signature

 Date: 10/31/03

Residence:

Cambridge, MA

Citizenship:

USA

Post Office Address:

157 Pleasant Street, Apt 305  
Cambridge, MA 02139

\*\*\*\*\*

Full name of inventor: Yang-Seok Choi  
Inventor's Signature \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Liberty Lake, WA  
Citizenship: Korea  
Post Office Address: 22809 E. Country Vista Drive, #438  
Liberty Lake, WA 99019

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Full name of inventor: Siavash Alamouti  
Inventor's Signature \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: Spokane, WA  
Citizenship: Canada  
Post Office Address: 2123 West 1<sup>st</sup> Avenue, Apt #3  
Spokane, WA 99204

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

2 Inventorship ..... Tarokh, et al.  
3 Applicant ..... Vivato  
3 Attorney's Docket No. ..... MN1-004US  
Title: Complementary Beamforming Methods and Apparatuses

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\* \* \* \* \*

Full name of inventor: Vahid Tarokh

**Inventor's Signature**

Date: \_\_\_\_\_

### Residence:

Cambridge, MA

### Citizenship:

USA

**Post Office Address:**

157 Pleasant Street, Apt 305  
Cambridge, MA 02139

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2 Full name of inventor:  
3 Inventor's Signature  
4 Residence:  
5 Citizenship:  
6 Post Office Address:  
7  
8

\*\*\*\*\*

Yang-Seok Choi



Date: 10/31/03

Liberty Lake, WA

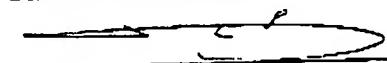
Korea

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Liberty Lake, WA 99019

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Siavash Alamouti



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